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54 TGC 	108 GGC	162 AGA 	216 GTG	270 GAT	324 GCT 	378 AAC N
GTT	GTC	GAC	908 1	GGA	GTA A	AAA K
GAC	CCT	GCA	CTG	CTG 	AAT 	GGT
45 GTT 	99 CTT	153 CCT	207 GGC	261 AGC	315 TAT 	369 GAT
ACG	CGT	AAG	CTG	CAG	AGA 	GCT
ATG 	G G G	AGG	ACG	AAC	000 	GG - A 0
36 GTG	90 ACT	144 GGA 	198 GGG	252 AGA 	306 TTC 	360 ACA
AAA 	CGA	GGA) I	GGA 	TCT 	TTA L
TGA 	CCC	GAC	GGT	 295	TTG	ATC
27 GTT 	81 GCT	135 GAG	189 GCA	243 GGA 	297 ACT	351 AAG
CAT	GCT	CGA	CGG	GGA	GAA T	AAT N
CGG	GTA 	909 	900 	GTG	ATG 	0.00 0.00 1.00 1.00
18 AGG	72 CTT	126 TGA	180 AAG 	234 GCG	288 AAG 	342 ATT
AGG 	TTG	AGG 	1 1 1 1	TCA	H G 	CAT H
AGT 	ACT	TGT	CAT	7. 	ACT	ATT I
9 TCC	63 TTG 	117 CAC	171 CTC	225 TCG	279 GAA 	333 GTG
9 3 ACT TCC A(TTT 	08G	CTT	TCG	TAA CAG	ATT I
999	TGA) 1 1) 	TTT 	TAA	GAG

FIGURE 1A

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432 ATG A	Z	TAC	≯	TTA	ı	GTG		: . C&&	<u> </u> K	ACG	1 [→
	Ħ	TTT	Ĺτι	TTC	 - -	CGG		AGT	ល	GAA	 БЭ
13 TTG 	ı	477 CAT	Ħ	531 GGC	 	585 TGC	l O	639 ACA	 	693 CGT	
423 GTC 1	>	GAA	臼	GAA	 	ATC	¦н	CGG	 	IGC	¦ ပ
GAA 	臼	CTG	니	ATG	I I	CCT	<u>0</u> 4	AAA	🛚	GCA	K
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CCA	щ	GGA	υ	CCA	ļД	TCA	, w	CCA	凸	TTC	 [14
<u> </u>		459 TAT	≯	513 TAT	<u> </u>	567 GAC	O	621 TGT	ט	675 CAC	
40 CCA	Д	GTA	>	ATG	X	CTG	ļ	CTA	ப	ATT	i i i
_		ATA	Н	GTC		CAT	H	ATT	H	LLL	і і Гч
ω \cup \cup	Ц	450 CAA	Ø	504 GAA	口	558 ACT	 	612 GAT	ļ	666 AAC	k k
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⊿: ।	Z	1 1 1 1	4	AAC	Z	TTA	ļ	ACT	H	ATT	¦ н
387 ACC AAG 7	M	441 AGA	民	495 GTG	>	549 AAT	¦ Z	603 GAG	 	657 GGC	¦ დ
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CTC	ı	TAC	≯	ATG (¥	TTC	 [±4	GAC	L D	TTA	ļ

FIGURE 1B

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756 AAC	Z	810 GTT 	864 CAA 	918 TCC 	972 : TTG : 	GAT D
TTA	_ _ _	CCA P	CAA 	AAT N	AAA X	GTG
CAG	l O	GTT 	CTA L	GGA G	CTA L	ATT I
747 CAA	l Q	801 TCT 	855 GAG 	909 GAG 	963 GAA 	L017 AAA K
ATG	i E E	GAT D	CAG 2	CAA 2	AAT N	ACA
AAA	 M	CTT L	ATT I	CTG L	TTG L	AAA
738 GAC	ם	792 AGA 	846 GGA 	900 GTG 	954 CGT 	1008 TTG
909	4	GAG E	GAT 	АТА 	AAG K	AGT
TCT	i w	CTG L	TCA S	ACG	ACC 	GAG E
729 TCC	ຶ່ນ	783 AAA 	837 CTT 	891 AAA 	945 AAA 	999 CAA
AAA	 X	ATG M	CAG 	CAA 	GAG E	ATA
TAT	<u> </u>	TTA L	AAG K	CAT H	TCA 	GAA E
720 CAA	la	774 GCA 	828 TTC 	882 TTT 	936 ATT 	990 AAA
TGG	- M	GAG 	GAG 	GAT D	AAT N	777G 1
CTT	1	CAG 	GAA E	CAG	TCA 	TCT
711 TTT	 [±4 	765 CAC 	819 CAA 	873 AAT 	927 AAG 	981 GTT
_			GAG E			
ATG	Σ	GCC	GAA E	TCA S	CAA O	TCG S

FIGURE 1C

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1080 AAG	K K	1134 TCA 	1188 ATA	Н	1242 CTG	ļ	1296 ACT	<u> </u>		φάνις δίλ [[] 	
CAG	i O	GAC	⊲ ! ।	×	AGC	ຸ່ ທ	AAG	\	 	 	
GTC	>	GGA 	AAG	M	GAG	 EJ	TTG	L	CTT	1	
1071 ACG	 [1125 TAT 	1179 CAA	Ø		\	1287 . AAA	I ×	~	X	
1 GAT	Ω	ATC	TAT	×	1 TTA	- 1	AAG	K X	GAA	<u>日</u>	
	 X 	GAA 	TTA	П	ATC	H	CTG	L	AAG	14	
1062 A ATG	ı L L	1116 TAT 	1170 CAG	Ø	1224 : AGT	i w	1278 GAA	 田 	1332 AAG	K K	_
1 AAA	 14	AAA K	ר לי	\triangleright	GCC	- A	TCA	្តែល	GTG) E 1
_	 田 	GAG F	GAA	臼	TTA	- T	GAG	H H H	ATT	H	בו וו
1053 AAA	K X	1107 GTG 	1161 TTG	П	1215 AAA	×	1269 ' GAT	Ω	1323 ATG	 	ij
1 TAT	Τ	GTG 	ו לז	Ø		H	1 AGT	ຸນ	CTG	 - 	
AAT	l l l	GAA 	[1			 	GAG	 E	AGA	i k	
1044 AAG	 14	1098 . CAA	1152 CCT TCA	ß	1206 GAT AAT	Z	1260 ATT	H	~ ~ 4:	14	
1(3 TTA 2	ij	1 AGA R	CCT	വ	GAT	_ D	1 CAA	l o	TIC	 [14]	
AAG	 	QCC 	CTG	ы	TCA	ຸນ		0	TCG	ຸ່ ທ	
ં છ	 円 	1089 AAT	1143 TGC	Ŋ		L	1251 ; GAG	 田 		Z	
CCA	! ! Д; !	1 AAA 	()	Д	GAC	0	TTG	1	1 GAA	i i i	
TCT	່ ຜ	CTT	GTT	\triangleright	CAG	0	AAC	- Z	GAA	 [13]	

FIGURE 1D

FIGURE 1E

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1404 ACA	 [-	1458 CGA	K K	1512 . CTA	רו	TTG	1 1		S I	1674 . ATG	 W
CGC	 民	GAA	ы	CAA	Q	1566 AAC	Z	GAC	l D	AAA	X
AAA	 	TAT	 	CAA	Ø	CTA	1	GAG	 田 	TTC	 [±
1395 TAC	>	1449 GTC		1503 ATT	Н	7 TTT	 [E4 	1611 GCA	A A	1665 ATG	- X
CAA	l a	GCT	- 4 -	GGA	ט	1557 ATA	H	GCA	4	AAG	M
AAG	 X	GGT	ן טו	CTT	1	GAA	 田 	AAG	 14	AGG	띰
.386 GTT	>	.440 AGA	 K	.494 AAA	N 	3 CAG	l Q	1602 GAA	I I 闰 I	1656 AAG	X N
$1_{ m GAT}$	ļ	1 AAA	 	ATT	 H 	1548 TCC (ຸ່ໝ		I I	CTG	ļ
GAA	 田 	GAA	i i i	AAA	N N	AAG	 	GGT	ן ה ו	GAA	 団
1377 ; CAT	H	1431 CAA	l O	1485 CAA	l Q	CTG		1593 GAC	_ _ _	1647 . GCT	- A
1 AAG	 M	GTT		ATC	H	1539 AAA	 \	CAC	- H) ACA	i L
AAG	 X	AAA	 X 	GAA	i i i	GAG	 田 	TAC	 >	AAG	
1368 AAT	Z	1422 AAT		1476 'CAA	l Q) AGG	 K	1584 AAA	 14	1638 GAG	 田
Î ATA	 H	TGC		AAT		1530 GAA	 田 	1. G GAG 2	 田 	GAT	D
AAA	 X	GAT		ATT	Н	GCT	A A	ŢŢ	ļ	ATA	Н
1359 \ TTC	 [1	1413 GAG	 四 	1467 3 ACA	E	GCT	A	.575 GCT	 4	1629 ' AAG	I K
CAA	ļ o	1 ATT	ļн	1 ACC		1521 GAT (۱۵	1575 ACT GCT	 [+ 	1 GCT	- A
GCA	A	GTA		GTA		AAA	×	AAA		TAT	; ; ;

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1728 TTA	1782 AAA	1836 GAA	1890 CAT	1944 ACG	
1728 CTT TTA 	1782 ACC AAA 	1 GAT 	1890 ATT CAT 	1944 GTT ACG	
CAT 	AGT	TAA 	GCT	CTA	
1719 ' TGC		1827 TAA	1881 GCA	1935 1 AAA	
1719 GCT TGC 	1773 ATC AGA 	1827 AGT TAA 	1881 TGT GCA	1935 ACA AAA 	
ATG	AGT 	AGT 	ACT	AAA 	-
1710 TTG TAA 	1764 GGA	1818 CTC ATA	1872 AAA ATA 	1926 TTG AGT 	AA 3
111G	1764 AAT GGA 	CTC	1 AAA 	TTG 	ACA AAA
T,T,T 	 505	ACT	ATT 	AGT 	ACA
1701 CAT GTC 	1755 GTT GAA 	1809 TAC	1863 TTT ATA 	1917 GTA AAT 	1971 TCT GTT
CAT	1 GTT 	TTA	1 TTT 	1 GTA 	TCT
TTA 	AAA 	TTT	TAA	GTT-	
1692 ACA AAA 	1746 gaa aga 	1800 CAT CAG	1854 TAT	1908 CCC CTT	1962 TTT
ACA	GAA 	CAT	1 TTT 	CCC	1 ATA
TTA 	TTA	CTT	GGC	CTG	TAT
1683 TGA	1737 TTC TAT 	1791 TGT TGG 	1845 AAT GTA 	1899 TCT ACT 	1953 ATA
1683 TCA ACC TGA S T *	TTC 		1 AAT 		1953 GAA ATA
TCA S	ATT 	TAA	T.T.T	GTC	

FIGURE 1F

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FIGURE 2A

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Η	Е
X	X
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FIGURE 2B

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Tissue Category	Clone Count	Found in	Ab Abund	Pct Abund	
Cardiovascular System Connective Tissue Digestive System Embryonic Structures Endocrine System Exocrine Glands Genitalia, Male	266190 144645 501101 225386 224635 448207	4/68 1/47 3/148 2/21 1/53 3/106	· 42421286.	0.0000 0.00015 0.00019 0.00008 0.00013	· •
Germ Cells Hemic and Immune System Liver	878 807 803	_ \	700 0	.002	
Musculoskeletal System Nervous System Pancreas Respiratory System Sense Organs Skin	000000000000000000000000000000000000000		0010100	000000	
Stomatognathic System Unclassified/Mixed Urinary Tract Totals	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 / 7 / 7	O N U O	0000	

FIGURE 3A

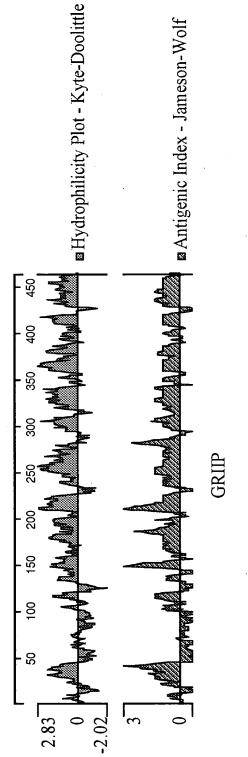
		1
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Found in:

Library ID	Clone	Library Description	Ab Abund	Pct Abund
BMARTXR02	682	bone marrow tumor line, neuroblastoma, t/6-OHDA,	\leftarrow	0.1466
TLYMUNT01	3669	T-lymphocytes, allogenic, 40-50M, untreated	~	0.0818
TBLYNOT01	3119	T-B lymphoblast line, leukemia, untreated	2	0.0641
U937NOT01	2067	monocyte line, histiocytic lymphoma, untreated	⊣	0.0484
BMARTXT03	2162	bone marrow tumor line, neuroblastoma, t/6-OHDA	\vdash	0.0463
BMARTXT06	2787	bone marrow tumor line, neuroblastoma, untreated	7	0.0359
SPLNTUT02	3017	spleen tumor, Hodgkin's, 45M	\vdash	0.0331
MCLDTXT04	3310	UCB, derived dendritic cells, t/PMA, Ionomycin	;;;;	0.0302
THYMFET03	3577	thymus, fetal, M	<u>,, y</u> ,	0.0280
MYEPTXT01	3944	CML precursor line, K-562, 53F, t/5AZA 72 h	°<€ [™]	0.0254
SPLNFET02	7859	spleen, fetal, 23wM	, H	0.0127
TLYMNOT08	9784	T-lymphocytes, allogenic anergic, t/OKT3 3 day	←	0.0102

Two pooled libraries, two normalized libraries, and one subtracted library are not shown.

FIGURE 3F



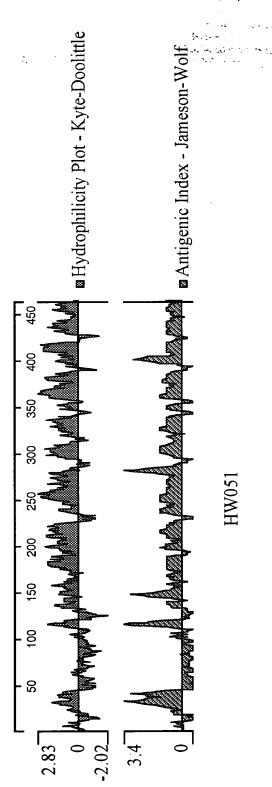


FIGURE 4